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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/633,522	08/05/2003	Kenji Shigeno	03500.017505.	5395	
5514	7590 03/14/2005		EXAM	EXAMINER	
	CK CELLA HARPER &	HSIEH, SF	HSIEH, SHIH WEN		
30 ROCKEFE NEW YORK,	LLER PLAZA NY 10112		ART UNIT PAPER NUMBER		
,			2861		
			DATE MAILED: 03/14/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Applicating Application No. Applicant(s)				(CIN)				
Examiner Shih-wen Hsideh 2861		Application No.	Applicant(s)					
Shih-wen Hsieh A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. If the period for reply specified above is beat flath shifty (0) days, a reply white the dilution, minimum of theiry (0) days will be considered timely. If the period for reply specified above is beat flath shifty (0) days, a reply white the dilution, minimum of theiry (0) days will be considered timely. If the period for reply is appelled above is beat flath shifty (0) days, a reply white the dilution, minimum of theiry (0) days will be considered timely. If the period for reply is appelled above is beat than their period target and will explose (NoKATHS) from beating date of this communication. Any reply received by the Office late than these motities after the mailing date of this communication, even if smelly filed, may reduce any carried by the Office late than these motities after the mailing date of this communication, even if smelly filed, may reduce any carried and publication is provided by the Office late than the motities after the mailing date of this communication, even if smelly filed, may reduce any carried and publication is provided by the communication is constitution for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under Exparte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims A) Claim(s) 1-2 is/are pending in the application. 4) Claim(s) 1-2 is/are pending in the application. 4) Claim(s) 1-2 is/are pending in the application. 4) Claim(s) 1-3 is/are rejected. 5) Claim(s) 1-3 is/are rejected. 6) Claim(s) 1-3 is/are rejected. 7) Claim(s) 1-3 is/are rejected. 8) The above claim(s) 1-3 is/are rejected. 8) Claim(s) 1-3 is/are pending in the application. 9) The specification is obj		10/633,522	SHIGENO ET AL.					
The MALING DATE of this communication appears on the cover sheet with the correspondence address — Period for Repty A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MALING DATE OF THIS COMMUNICATION. Extension of time may be available under the provisions of 3 CFR 1.13(a). In co event, however, may a reply be linely filed after SX (b) NOVITHS from the relating date of this cooremistation. Extension of time may be available under the provisions of 3 CFR 1.13(a), in no event, however, may a reply be linely filed after SX (b) NOVITHS from the maining date of the communication of the provision of Claims Pisposition of Claims A) Claim(s) 1-2 (s/are pending in the application. 4) Claim(s) 1-2 (s/are pending in the application. 4) Claim(s) 1-2 (s/are pending in the application. 4) Claim(s) 1-3 (s/are pending in the application. 4) Claim(s) 1-3 (s/are pending in the application. 5) Claim(s) 1-3 (s/are pending in the application. 4) Claim(s) 1-3 (s/are pending in the application. 5) Claim(s) 1-3 (s/are pending in the application. 6) Claim(s) 1-3 (s/are pending in the application and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 05 August 2003 (s/are: a) accepted or b) objected to by the Examiner. Application Papers 9) The specification is objected to by the Examiner. 10) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). 2) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). 2) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). 3) All b) Some 7 (Claim) November 1 (some	Office Action Summary	Examiner	Art Unit					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Exercitions of time may be available under the provisions of 37 CFR 1.35(b). In no event, however, may a reply be timely filed - If the period for reply septidial above, the maximum statutory pointed will apply within the adultury mitimum of thishy (20) ways will be considered timely. - If NO period for reply is specified above, the maximum statutory pointed will apply and the adultury mitimum of thishy (20) ways well be considered timely. - If NO period for reply is specified above, the maximum statutory pointed will apply and the adultury mitimum of thishy (20) construction. - Failur to reply within the sort or scending plant for notify only by the status and the adulture mitimum of thishy (20) construction. - Failur to reply within the sort or scending plant for notify only by the status and the scenario-debut term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 05 August 2003. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) Siarare pending in the application. 4a) Of the above claim(s) is/are rejected. 7) Claim(s) is/are rejected. 7) Claim(s) is/are rejected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The precification is objected to by the Examiner. Application Papers 9) The drawing(s) filed on 05 August 2003 is/are: a) accepted or b) objected to by the Examiner. Application Papers 9) The drawing(s) filed on 05 August 2003 is/are: a) accepted or b) objected to by the Examiner. Application Papers 10) All b) Some of Claims of Communication is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 3				<u> </u>				
THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 3 CPR 1.15(6). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication, and the six (6) MONTHS from the mailing date of this communication of the six (6) MONTHS from the mailing date of this communication of the six (6) MONTHS from the mailing date of this communication of the six (6) MONTHS from the mailing date of this communication of the six (6) MONTHS from the mailing date of this communication of the six (7) MONTHS from the mailing date of this communication of the six (7) MONTHS from the mailing date of this communication, even if timely filed, may reduce any exemption to become ARANDONED (35 U.S.C. § 133). Any reply received by the Citics date than there increases after the mailing date of this communication, even if timely filed, may reduce any exemption of the six o	· ·	pears on the cover sheet with the o	correspondence address	S				
1)	THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailin	136(a). In no event, however, may a reply be till ly within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a, cause the application to become ABANDONE	mely filed ys will be considered timely. In the mailing date of this commur ED (35 U.S.C. § 133).	nication.				
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DETAILED ACTION

1. This application is in condition for allowance except for the following formal matters:

2. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

There are several "means" in this abstract. Please change them into such as "device".

Specification

3. The disclosure is objected to because of the following informalities:

Page 26, lines 3-9, the distance "Z" is between rib 41 and surface 81 as the quoted line described. However, in referring to fig. 7, the dimension "Z" is labeled alongside the print head (3). Please change this "Z" dimension to the gap in between the rib 41 and surface 81.

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Drawings

4. Numeral (41) is the rib of the cap (35), please refer to figs. 5, 6 and 12. Please change (41) in fig. 8 to a proper place (now, 41 points to the head 3).

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

- 5. Claims 1-8 are allowed.
- 6. The following is an examiner's statement of reasons for allowance:

The primary reason for the allowance of claim is the inclusion of the limitation of wherein when the cap is separated from the recording means by a predetermined distance a position of the cap holder is controlled in a state in which the cap holder is oblique at a predetermined angle relative to the cap base so that an abutting plane of the cap is substantially parallel to an ink ejection port surface of the recording means. It is this limitation found in each of the claims, as they are claimed in the combination that has not been found, taught or suggested by the prior art of record, which makes these claims allowable over the prior.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 6,010,203, "Apparatus for recovering an ink jet head and ink jet recorder including the same" issued to Muraki, 1/2000 teaches in his fig. 3 that a cap (60) with its surface (14S) is going to abut print head (4), the surface (14S) is inclined with respect to the surface of the head (4) in a certain angle. Figs. 4D to fig. 4F and fig.8D to fig. 8F indicate cap moves away from the head. However, the cap surface is oblique with respect to the head surface.

US 6,203,136 B1, "Print head capping device having an inclined cap" issued to Takahashi et al., 3/2001 teaches in their figs. 4 and 6(a) that the capping surface makes an angle with respect to the head surface. Or, the capping surface is oblique with respect to the head surface when not abutting the head.

US 6,629,749 in the IDS teaches in fig. 3 a capping device with its features resemble to those disclosed in the instant application. However, in fig. 6, which corresponds to fig. 7 of the instant application, the cap surface is in parallel with the head surface, and the cap holder (32, fig. 3) is not oblique with respect to the surface of the case base (31, fig. 3).

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8. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Shih-wen Hsieh whose telephone number is 571-272-

2256. The examiner can normally be reached on 7:30AM -5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Dave Talbott can be reached on 571-272-1934. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

SHIH-WEN HSIEH PRIMARY EXAMINER

Shih-wen Hsieh Primary Examiner

Art Unit 2861

SWH

March 8, 2005